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Application No.	09/701,760	Prepared by	SY	Tracking Number	05991817
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## JACKET

a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

<b>SPECIFICATION</b>		<b>MESSAGE</b> PTO-1449: Please initial or line through citations on form dated 4-2-03. and 08/20/04. (5 pages - copies provided for reference)
a. Page Missing b. Text Continuity c. Holes through Data d. Other Missing Text e. Illegible Text f. Duplicate Text g. Brief Description h. Sequence Listing i. Appendix j. Amendments k. Other		① a) original claim 19 depends from original claim 46 (now claim 45). b) original claim 20 depends from original claim 47 (now claim 46). - see attached Please advise/correct claim dependency.
<b>CLAIMS</b>		initials SY
a. Claim(s) Missing b. Improper Dependency c. Duplicate Numbers d. Incorrect Numbering e. Index Disagrees f. Punctuation g. Amendments h. Bracketing i. Missing Text j. Duplicate Text k. Other		initials SY
<b>RESPONSE</b>		initials

# Electronic Information Disclosure Statement



# Method for the Purification, Recovery, and Sporulation of Cysts and Oocysts

Application:   
09/701760

Confirmation: 8928

Applicant(s): Harold Conkle

Docket Number: 5175.135

Group Art 1643  
Unit

Examiner: Schwartz

search string: ( 4639372 or 4724145 or 4040388 or 4301148 or 4357320 or 4438097 or 4458630 or 4469047 or 4500638 or 4505892 or 4544548 or 4593646 or 4650676 or 4681063 or 4735801 or 4751079 or 4808404 or 4935007 or 5004607 or 5006341 or 5028421 or 5055292 or 5068104 or 5106617 or 5279960 or 5288845 or 5311841 or 5339766 or 5359050 or 5661015 or 5674484 or 5807551 or 6019985 or 6231871 or 3147186 or 3617529 or 3617539 or 3827557 or 4208282 or 4544548 or 4681682 or 4790943 or 4808404 or 4863731 or 4913826 or 5045313 or 5055292 or 5068104 or 5280042 or 5702612 ).pn.

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## US Patent Documents

**Note: Applicant is not required to submit a paper copy of cited US Patent Documents**

Init	Citation No.	Patent Number	Date	Bar Code	Patentee	Class	Subclass
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	P02	4724145	1988-02-09		Murray et al.		

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## Signature

Examiner Name	Date

FORM PTO-1449 U.S. Department of Commerce  
Patent and Trademark Office

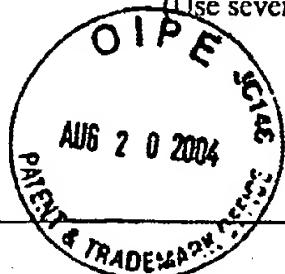
Attorney Docket Number  
5175-135

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LIST OF DOCUMENTS CITED BY APPLICANT

(Use several sheets if necessary)

A1 of A1



Applicants:  
Conkle et al.

Filing Date:  
April 19, 2004

Group:  
1645

U. S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	Translation Yes   No
	1.	RU2095409 C1		Russia			YES

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	2.	CHERVJAKOV et al., "Handbook, Veterinary Drugs," Moscow, Kolos. (1977) pp. 391-392. (With English Translation)

EXAMINER \_\_\_\_\_

DATE CONSIDERED \_\_\_\_\_

\*EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

In re: Conkle et al.  
Serial No.: 09/701,760  
Filed: April 19, 2001  
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17. (Original) The method of claim 15, wherein the aqueous suspension comprises an oocyst concentration of about  $10^4$  to about  $10^8$  oocysts/ml and an initial hydrogen peroxide concentration of about 1,000 to about 20,000 mg/l.

18. (Previously presented) A method for the purification, recovery and sporulation of oocysts, comprising:

separating the oocysts from a first suspension comprising the oocysts; and

sporulating the separated oocysts by the method of claim 15.

19. (Previously presented) The method of claim 48 wherein the oocysts are selected from the group consisting of oocysts from *Eimeria maxima*, *Eimeria mitis*, *Eimeria tenella*, *Eimeria acervulina*, *Eimeria brunetti*, *Eimeria necatrix*, *Eimeria praecox*, and combinations thereof.

20. (Previously presented) The method of claim 47 wherein the salt flotation process comprises:

preparing an admixture comprising the oocysts and the salt; centrifuging the slurry and recovering a supernatant therefrom; forming a dilution of the supernatant and centrifuging the dilution; and recovering the concentrate from the centrifuged dilution.

21. (Original) The method of claim 18, wherein separating the oocysts is accomplished by a gas flotation process which comprises:

adjusting the first suspension to a pH sufficient to affect adhesion between bubbles of the gas in the suspension and the encysted protozoa;

conditioning the pH adjusted suspension by adding a sufficient amount of a surface active agent compound to selectively coat particles in the suspension and a sufficient amount of a heteropolar compound to produce a stable froth;